

CONGESTION CONTROLLER FOR ETHERNET SWITCH

5

ABSTRACT OF THE DISCLOSURE

10 The present invention relates to a congestion
controller, which suppress transmission traffic based on
a traffic attribute in the event of congestion especially
in a circumstance in which a plurality of Ethernet
switches are connected. The congestion controller in the
Ethernet switch comprises a plurality of transmission
15 queues having different priority each other, a receiving
unit for receiving a PAUSE frame, and a restriction unit
to restrict transmission traffic from the transmission
queue by the received PAUSE frame, wherein
the restriction unit restricts the transmission traffic
from a transmission queue of lowest priority by a PAUSE
20 frame received at a time other than a PAUSE time and
suppresses transmission traffic from a transmission queue
of highest priority by a PAUSE frame received during the
PAUSE time.